

**PRODUCT NAME:** ABRO Windshield Washer Ready to Use  
Formula  
**PRODUCT NUMBER/SIZE:** WW-456

**Revision Date:** 6/22/15

## SECTION 1 Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.  
**ADDRESS:** 3580 Blackthorn Court  
South Bend, IN 46628  
USA  
**PRODUCT DESCRIPTION:** Windshield Washer  
**COMPANY PHONE:** 574-232-8289  
**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

## SECTION 2 Hazards Identification

**Classification:**  
Specific Target Organ Toxicity – repeated exposure Category 2

**Label Pictogram(s):**



**Signal Word:** Warning

**Hazard Phrases:** Harmful if swallowed. May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

**Precautionary Phrases:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, and vapors. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear personal protective equipment as required.

**Response:** If swallowed: Immediately call doctor/physician or poison center. If swallowed: rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention.

**Storage / Disposal:** Store away from direct sunlight in a dry, cool and well ventilated area. Keep container tightly closed. Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

**Other:** Keep out of reach of children.

**SECTION 3**  
**Composition/Information on Ingredients**

<b>COMPONENTS</b>	<b>CAS Number</b>	<b>% by weight</b>	<b>PEL (OSHA)</b>	<b>TLV (ACGIH)</b>
Water	7732-18-5	90-95	None	None
Isopropanol	N/A	<2	None	None
Proprietary Blend of Cleaner and Surfactants	N/A	<3	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

**SECTION 4**  
**First Aid Measures**

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical advice. Allow the victim to rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Get medical attention immediately. Call poison control center rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person

**SECTION 5**  
**Fire Fighting Measures**

<b>Ignition temp:</b>	Not determined
<b>Flammable limits (% by volume):</b>	Not determined
<b>Flash Point:</b>	35°C (95°F)
<b>Fire Extinguishing Agents:</b>	According to the U.S. National Fire Protection Association Guide, use water fog, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.
<b>Explosion hazards:</b>	For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

## SECTION 6 Accidental Release Measures

<b>Environmental precautions:</b>	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
<b>Personal precautions:</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution to sewers, waterways, soil, or air.
<b>Large Spill:</b>	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 12). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 12 for waste disposal.
<b>Small Spill:</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## SECTION 7 Handling and Storage

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
<b>Storage</b>	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 9). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully

resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Not suitable**

Prolonged exposure to elevated temperature and oxidants

## SECTION 8 Exposure Controls/Personal Protection

### Personal Protection

<b>Eyes</b>	Avoid contact with eyes. Safety glasses with side shields or chemical goggles.
<b>Skin and body</b>	Do not get on skin or clothing. Wear suitable protective clothing.
<b>Respiratory</b>	Use adequate ventilation. Do not breathe vapor or mist.
<b>Hands</b>	The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

## SECTION 9 Physical and Chemical Properties

Appearance & odor:	Clear Blue liquid
Boiling point (deg. F):	N/A
Vapor pr. (mmhg @ 25 deg. c):	N/A
Density (kg/l at 15 deg. c):	1.000
Vapor density (air = 1):	Not determined
ph of undiluted product:	7 – 9
Solubility (water):	Soluble
Percent volatile by volume:	N/A
Evaporation:	<1
Viscosity (all product grades):	N/A

## SECTION 10 Stability and Reactivity

<b>Stability and reactivity</b>	The product is stable.
<b>Conditions to avoid</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatibility with substances</b>	Reactive or incompatible with the following materials: oxidizing. various materials and acids
<b>Hazardous decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Hazardous polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.

**Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**SECTION 11  
Toxicological Information**

**Acute toxicity**

Potential chronic health effects.

**Carcinogenicity**

No known significant effects or critical hazards.

**Teratogenicity**

See Other Information

**SECTION 12  
Ecological Information**

**Mobility**

Spillages may penetrate the soil causing ground water contamination.

**Bioaccumulative potential**

This product is not expected to bio accumulate through food chains in the environment.

**Persistence/degradability**

Inherently biodegradable

**Other ecological Information**

Miscible in water. Spills on water will disperse throughout the water phase.

**SECTION 13  
Disposal Considerations**

**Waste Information**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

**SECTION 14  
Transport Information**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**U.S. DOT** UN/ID Number: Not Regulated

Proper shipping name:

Hazard class:

Packing Group:

Exceptions:

Environmental Hazards:  
Transport in Bulk: Not applicable  
Special Precautions: None

**IMO/MDG** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**ICAO/IATA** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard Class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

## SECTION 15 Regulatory Information

VOC (Volatile Organic Compounds): ND  
TSCA (Toxic Substances Control Act): Listed  
SARA Title III Section 302 EHS: None  
SARA Title III Section 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard  
SARA Title III Section 313 Toxic Chemicals: None  
WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## SECTION 16 Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

ABBREVIATIONS:  
NG="NOT GIVEN"  
BT="BETWEEN"  
<="LESS THAN"

>="GREATER THAN"  
ND = Not Determined  
NA = Not Applicable